

## Electrical apparatus

Patent Number: DE3439180  
Publication date: 1986-04-30  
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Requested Patent: ☐ DE3439180  
Application Number: DE19843439180 19841023  
Priority Number(s): DE19843439180 19841023  
IPC Classification: H02J7/00  
EC Classification: H02J7/34, H02J7/00L  
Equivalents:



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### Abstract

An electrical apparatus, preferably a laboratory apparatus, for optional operation from the mains or by means of a built-in rechargeable accumulator as the power supply, it being necessary for the electrical apparatus to be supplied directly with a lower voltage than is required for recharging the accumulator, and the accumulator being recharged via separate current paths, and the apparatus being capable of isolation from the power supply, especially by means of an on-off switch; the lower supply voltage being produced by means of a stabilisation circuit which is adequate for a power requirement corresponding to the consumption of the electrical apparatus; the voltage for recharging of the accumulator no longer being sufficient for the minimum power requirement of the apparatus in the case of an output voltage which corresponds to that of the stabilisation circuit at idle, and the two current paths being permanently joined together for supplying power jointly to the electrical apparatus.

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